

REMARKS

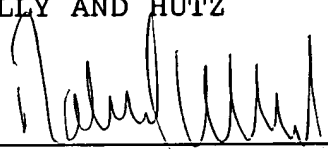
The claims are amended before action to draw the claimed subject matter to DNA encoding a particular mutant form of 5-enol pyruvylshikimate-3-phosphate synthase (EPSPS) enzyme, the mutant enzyme form being defined by: 1) a threonine by isoleucine substitution at position 102; and 2) a proline by serine substitution at position 106. This particular mutant form is described as a preferred embodiment in the disclosure, e.g. at page 3, last paragraph. In addition, the added claims call for the mutated enzyme, chimeric genes and vectors which contain the DNA, plant cells transformed with the DNA and plants regenerated therefrom, and growth of plants which are tolerant to glyphosate herbicides, the tolerance arising from transformation with the DNA. Original claims are cancelled without prejudice.

Claims now pending for examination are claims 19-29.  
Favorable consideration is respectfully requested.

Respectfully submitted,

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